

Saving the Glades

A wood stork sliently wades shallow waters like a drum major in slow motion. Bill submerged, its great dark head sweeps back and forth across shallow, mutry waters. Look closely, because this dramatic wading bird is endangered. Its significant decline symbolizes the magnitude of environmental threats stakling today's Everjaldes. "River of Grass" was the description affixed to this gently sloping landscape in the 1940s by pioneering conservationsit Marijory Stomenan Douglas. Within the park this river still flows slowly toward bay and gulf. Its grandeur is now severely threat-ened, however, and the death of the Everjaldes could occur. This is the first national park created to protect a threatened ecological system.

South Florida surfaced only since the Ice Age. The rock beneath this park is just 6,000 to 8,000 years old and in its infancy. Nowhere in the park does the landscape top eight feet above sea level. And this subtropical region enjoys no source of water but the rains that fall on it. The same rains that fall on south Florida today once ran off the backs of our wood stork's forebars, but the similarity ends there. Now, extensive canal and levee systems shunt off much of the life-giving bounty of the rain before it can

reach Everglades National Park. At times water control structures at the park boundary are closed and no water nourishes the wood stork's habitat. Or, alternately, water control structures are opened and human-managed floodwaters inundate Everglades creatures' nests or eggs and disperse seasonal concentrations of the wading birds' prey. Added to these problems is the persence of pollutants from agriculture and other human activities. Waters from agricultural runoff affect vegetation patterns unnavariety, high levels of mercury are present at all levels of the food chain, from the fish in the marsh, through raccons and alligators, to the Florida parther, a species so endangered that fewer than 10 persist in the park. One panther found dead in the park contained mercury levels that would be toxic to humans. Everglades alone among U.S. national parks holds three international designations: international Biosphere Reserve, World Heritage Site, and Wetland of International Importance. But how much longer will "Rive of Grass" remain an apt description?

After years of drainage and alterations, efforts to save the remaining Ever-glades and restore some semblance of their original function are underway.



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In 1989 Congress extended the park's eastern boundary to protect the eastern Shark River Slough, historically one of the most important areas sustaining the park's biological abundance and diversity. Since then, in the Comprehensive Everglades Restoration Plan, Congress has authorized the world's largest environmental restoration project. Requiring 30 years to accomplish, is plan seeks to return water to more natural patterns of quantity, thining, and distribution throughout the south Florida ecosystem. Federal and state funds will support this unprecedented effort. As waters return to the natural system, it will also be important to address serious water quality issues. Created in 1947, the park was established to save a portion of the Glades, but its future depends on a healthler and more naturally functioning ecosystem in the entire region, where a burgeoning human population thirsts for the same water that wood storks need to survive. We must construct a balance among competing demands of urban, industrial, and agricultural development, with a restored Everglades as a centerpiece. Nothing is yet saved for good; the Everglades' fate remains our mandate.

Threats to the Park











Impact on Plants and Animals

Problems connected with the quality, quantity, timing, and distribu-tion of water ripple throughout the Everglades. Numbers of wading birds nesting in colonies in the southern Everglades have declined 39 percent since the 1930s—from 265,000 to just 18,500. Endangered wood storks declined from 5,000 nesting birds in the 1960s to as few as 500 nesting birds in the 1980s. Also threatened are the rich Beidel Repurpode for the tasts challes industrial. Florida Bay nurseries for the state's shellfish industry.

Wet and Dry Seasons
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